



TITLE V OPERATING PERMIT

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-33 of the Regulations of Connecticut State Agencies (RCSA) and pursuant to the Code of Federal Regulations (CFR), Title 40, Part 70.

Title V Permit Number	043-0020-TV
Client/ Sequence /Town/Premises Numbers	555/1/43/5
Date Issued	December 7, 2004
Expiration Date	Five (5) years after issue date

Corporation:

Algonquin Gas Transmission Company

Premises Location:

252 Shunpike Road, Cromwell, CT 06416

Name of Responsible Official and Title:

Tom V. Wooden, Division Manager, Boston Division

All the following attached pages, 2 through 35, are hereby incorporated by reference into this Title V Operating Permit.

JANE K. STAHL
Jane K. Stahl
Acting Commissioner

DECEMBER 7, 2004
Date

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LIST OF ACRONYMS

Acronym

Description

acfm	Actual cubic feet per minute
ASTM	American Society of Testing and Materials
BACT	Best Available Control Technology
BAM	Bureau of Air Management
bhp	Brake horsepower
CEM	Continuous Emission Monitor
CERC	Continuous Emission Reduction Credits
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CP/OP	Construction Permit/Operating Permit
CTG	Control Technology Guideline
DEP	Department of Environmental Protection
DERC	Discrete Emission Reduction Credit
dscf	Dry standard cubic feet
dscm	Dry standard cubic meters
EU	Emission Unit
ERC	Emission Reduction Credit
EPA	Environmental Protection Agency
FLER	Full load emission rate
GEU	Grouped Emission Unit
gph	Gallons per hour
gpm	Gallons per minute
gm	Grams
HAP	Hazardous Air Pollutant
HP	Horsepower
IC	Internal Combustion
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MASC	Maximum Allowable Stack Concentration
MSDS	Material Safety Data Sheet
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen Oxides
NSR	New Source Review
PM	Particulate Matter
ppmv	Parts per million, volumetric basis
PTE	Potential to Emit
RACT	Reasonably Available Control Technology
RCSA	Regulations of Connecticut State Agencies
RMP	Risk Management Plan
SIC	Standard Industrial Classification Code
SIP	State Implementation Plan
TOC	Total Organic Carbon
tph	Tons per hour
tpy	Tons per year
TSP	Total Suspended Particulate
VOC	Volatile Organic Compound

Title V Operating Permit

All conditions in Sections III, IV, VI and VII of this permit are enforceable by both the Administrator and the Commissioner unless otherwise specified. Applicable requirements and compliance demonstration are set forth in Section III of this permit. The Administrator or any citizen of the United States may bring an action to enforce all permit terms or conditions or requirements contained in Sections III, IV, VI and VII of this permit in accordance with the Clean Air Act (CAA), as amended.

Section I: Premises Information/Description

A. PREMISES INFORMATION

Nature of Business: transports natural gas via pipeline

Primary SIC: 4922

Facility Mailing Address: Mr. David A. Felcman

Algonquin Gas Transmission Company

P.O. Box 1642

Houston, TX 77251-1642

Telephone Number: (713) 989-8331

B. PREMISES DESCRIPTION

Algonquin Gas Transmission Company transports natural gas via underground pipelines from New Jersey through southern New England to Eastern Massachusetts. At several points along the pipeline, the gas must be recompressed to ensure that it continues to move along the pipeline and can be delivered to customers at serviceable pressures. The gas is compressed by gas-fired turbine driven centrifugal compressors and gas-fired reciprocating internal combustion engine compressors. The natural gas used to fuel the gas-fired units comes from Algonquin's pipeline.

The Cromwell Compressor Station is one of two Algonquin compressor stations located in Connecticut. Emission Units include six internal combustion engine driven compressors, two gas turbine driven compressors, three emergency generators, two gas heaters, a boiler, and a condensate tank.

Section II: Emissions Units Information

A. EMISSIONS UNITS INFORMATION

Emission units are set forth in Table II.A.1.

TABLE II.A.1: EMISSIONS UNIT DESCRIPTION			
Emissions Units	Emissions Unit Description	Control Unit Description	Permit, Order, or Registration Number*
EMU1	2000 HP Cooper Bessemer Reciprocating Internal Combustion Engine/Compressor	High energy ignition system (HEIS)	Registration No. 043-11, NOx-40% Reduction Consent Agreement And Order No. 8090
EMU2	2000 HP Cooper Bessemer Reciprocating Internal Combustion Engine/Compressor	High energy ignition system (HEIS)	Registration No. 043-12, NOx-40% Reduction Consent Agreement And Order No. 8090
EMU3	2000 HP Cooper Bessemer Reciprocating Internal Combustion Engine/Compressor	High energy ignition system (HEIS)	Registration No. 043-13, NOx-40% Reduction Consent Agreement And Order No. 8090
EMU4	2000 HP Cooper Bessemer Reciprocating Internal Combustion Engine/Compressor	High energy ignition system (HEIS)	Registration No. 043-14, NOx-40% Reduction Consent Agreement And Order No. 8090
EMU5	2000 HP Cooper Bessemer Reciprocating Internal Combustion Engine/Compressor	High energy ignition system (HEIS)	Registration No. 043-15, NOx-40% Reduction Consent Agreement And Order No. 8090
EMU6	2000 HP Cooper Bessemer Reciprocating Internal Combustion Engine/Compressor	High energy ignition system (HEIS)	Registration No. 043-16, NOx-40% Reduction Consent Agreement And Order No. 8090
EMU7	4645 HP Solar Centaur T-4700 Turbine/Compressor	Dry low NOx combustor	Permit No. 043-005, Trading Agreement and Order No. 8123A

Section II: Emissions Units Information

TABLE II.A.1: EMISSIONS UNIT DESCRIPTION			
Emissions Units	Emissions Unit Description	Control Unit Description	Permit, Order, or Registration Number*
EMU8	4645 HP Solar Centaur T-4700 Turbine/Compressor	Dry low NOx combustor	Permit No. 043-006
EMU9	410 HP Leroi L3000 Emergency Generator	None	None
EMU10	410 HP Leroi L3000 Emergency Generator	None	None
EMU11	1.70 MMBTU/HR Maxon Gas Heater	None	None
EMU12	1.70 MMBTU/HR Maxon Gas Heater	None	None
EMU13	3.28 MMBTU/HR Kewanee Scotch Boiler	None	None
EMU14	28 HP Kohler Emergency Generator	None	None
EMU15	2,940 gallon condensate tank	None	None

(*) It is not intended to incorporate by reference these NSR Permits, Orders, or Registrations into this Title V Operating Permit.

Section II: Emissions Units Information

The permittee shall be allowed to operate under the following standard operating scenarios (SOS) and alternative operating scenarios (AOS) without notifying the Commissioner, provided that such operations are explicitly provided for and described in the table below. The permittee shall record contemporaneously, the operating scenario under which each emissions unit is operating in a log to be kept at the subject premises.

There are no Alternate Operating Scenarios (AOS) for the premises.

TABLE II.A.2: EMISSIONS UNIT IDENTIFICATION, SOS AND AOS		
Identification of Operating Scenarios	Emissions Units Associated with the Scenarios	Description of Scenarios
SOS1	EMU1 – EMU15	All operations are included in the standard operating scenario mode. The standard operating scenario may include all or some of the fifteen emission units.
AOS1	Not Applicable	Only the standard operating mode is used.

Section III: Applicable Requirements and Compliance Demonstration

The following tables contain summaries of applicable regulations and compliance demonstration for each identified Emissions Unit and Operating Scenario, regulated by this permit. Note that numerical values stated in Tables III.A through III.H in the column with the heading “Limitations or Restrictions” are maximum allowable rates or quantities unless stated otherwise.

A. EMISSIONS UNITS 1 Through 6 (Six identical Compressor Driver, Cooper-Bessemer IC Engines)

Table III.A: EMISSIONS UNITS 1 – 6 (EMUS 1-6)				
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
1	NOx	8.72 gm/bhp-hr (this emission rate complies with the 40% NOx emission rate reduction requirement of RCSA § 22a-174-22(d)(1)(C))	RCSA § 22a-174-22, Consent Agreement and Order No. 8090	<p><u>Monitoring and Testing Requirements</u></p> <p>The permittee shall conduct emission tests at least once every five years after the issuance of Consent Order No. 8090. The next NOx emission rate testing shall be conducted by March 14-16, 2005 as required by Consent Order No. 8090 for EMUs 1-6. The permittee shall conduct emission tests in accordance with subparagraphs B.3.a through B.3.e of Consent Order No. 8090. (Consent Order No. 8090, paragraph B.4)</p> <p>The permittee shall determine compliance with the emission limitation based on the average of three (3) one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA § 22a-174-5. Any analysis of nitrogen content conducted as part of such emission testing shall be made in accordance with Method D-3228 of the ASTM. (RCSA § 22a-174-22(k)(1))</p> <p>The permittee shall demonstrate compliance with the emission limitation using sampling and analytical procedures approved under 40 CFR Part 60, Appendix A, or under procedures in RCSA subsection 22a-174-5(d). Sampling shall be conducted when the source is at normal operating temperature and, unless otherwise allowed by the commissioner in a permit or order, is operating at or above ninety percent (90%) of maximum rated capacity. (RCSA § 22a-174-22(k)(2))</p> <p>The permittee shall submit a written intent-to-test protocol for the commissioner’s review and approval not less than sixty (60) days prior to the emissions testing. The ITT submission shall comply with the format as outlined on DEP Emission Test Guidelines and Form AE-404 and shall include, but not</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.A: EMISSIONS UNITS 1 – 6 (EMUS 1-6)					
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements	
				<p>necessarily be limited to, the following information:</p> <p>(a) Test methodology description; a description of methods to be used to determine the fuel feed rate; a description of methods to be used to determine boiler stack temperatures (degrees F); and a listing of process and control equipment operating parameter(s) proposed to be monitored. The ITT protocol shall provide that the permittee shall perform emissions testing for oxides of nitrogen as specified in RCSA § 22a-174-22(k) including operating the equipment at not less than ninety percent (90%) of its maximum rated capacity.</p> <p>(b) The permittee shall schedule the emissions testing so as to allow representatives of the DEP to be present during such testing, and shall allow such representatives to conduct procedural and operational audits.</p> <p>(Consent Agreement and Order No. 8090 paragraph B.2)</p> <p><u>Record Keeping Requirements</u></p> <p>The permittee shall record each engine's operating hours, fuel use, tune-ups, repairs, replacement of parts and other maintenance. (Consent Agreement and Order No. 8090 paragraph B.5)</p> <p>The permittee shall record each engine's daily (pounds per day), monthly (tons per month) and annual (tons per year) NOx emissions and procedures for calculating NOx emission rates. (Consent Agreement and Order No. 8090 paragraph B.5)</p> <p>The permittee shall record the dates, times, and places of all required emissions testing, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the test results. (Consent Agreement and Order No. 8090 paragraph B.5)</p> <p>The permittee shall keep records of copies of all documents submitted to the Commissioner pursuant to RCSA § 22a-174-22. (RCSA § 22a-174-22(l)(1)(E))</p>	

Section III: Applicable Requirements and Compliance Demonstration

Table III.A: EMISSIONS UNITS 1 – 6 (EMUS 1-6)					
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements	
				<p>The permittee shall keep records of any other records or reports required by an order or permit issued by the Commissioner pursuant to RCSA § 22a-174-22. (RCSA § 22a-174-22(l)(1)(J))</p> <p><u>Reporting Requirements</u></p> <p>Within thirty (30) days of the completion of NOx emission tests, the permittee shall submit a written report of the results of such tests to the commissioner. (RCSA § 22a-174-22(l)(2))</p> <p>The permittee shall use best efforts to submit to the commissioner all documents required by Consent Order No. 8090 in a complete and approvable form. If the commissioner notifies the permittee that any document or other action is deficient, and does not approve it with conditions or modifications, it is deemed disapproved, and the permittee shall correct the deficiencies and resubmit it within the time specified by the commissioner or, if no time is specified by the commissioner, within thirty (30) days of the commissioner's notice of deficiencies. (Consent Agreement and Order No. 8090 paragraph B.6)</p> <p>In the event that the permittee becomes aware that it did not or may not comply, or did not or may not comply on time, with any requirements of Consent Order No. 8090 or any document required under Consent Order No. 8090, the permittee shall immediately notify the commissioner and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if avoidable, is minimized to the greatest extent possible. In so notifying the commissioner, the permittee shall state in writing the reasons for the noncompliance or the delay and propose, for the review and written approval of the commissioner, dates by which the compliance will be achieved, and the permittee shall comply with any dates which may be approved in writing by the commissioner. Notification by the permittee shall not excuse noncompliance or delay, and the commissioner's approval of any compliance dates proposed shall not excuse noncompliance or delay unless specifically so stated by the commissioner in writing. (Consent Agreement and Order No. 8090 paragraph B.9)</p>	

Section III: Applicable Requirements and Compliance Demonstration

Table III.A: EMISSIONS UNITS 1 – 6 (EMUS 1-6)					
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements	
				<p>Any document, including but not limited any notice, which is required to be submitted to the commissioner under Consent Order No. 8090 by the permittee's chief executive officer or a duly authorized representative of such officer, and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing in accordance with Consent Order No. 8090 paragraph B.10. (Consent Agreement and Order No. 8090 paragraph B.10)</p> <p>On or before April 15 of each year, the permittee shall submit a report on NOx emissions from the engines, on a form provided by the commissioner. (RCSA § 22a-174-22(l)(6))</p>	
2	Particulate Matter	0.1 LBS/MMBTU for natural gas usage	RCSA § 22a-174-18(e)(2)(C)	<p><u>Monitoring and Testing Requirements</u> The emission factor for a 2-stroke lean burn engine that combusts natural gas is less than 0.05 LBS/MMBTU. (AP 42, Table 3.2-1, dated 7/00)</p> <p><u>Record Keeping Requirements</u> The permittee shall comply with the record keeping requirements in permit Section VII.</p> <p><u>Reporting Requirements</u> The permittee shall comply with the reporting requirements in permit Section VII.</p>	

Section III: Applicable Requirements and Compliance Demonstration

B. EMISSIONS UNIT 7 (Solar Gas Turbine)

The Solar gas turbine design specifications include maximum fuel firing rate of 50,512 scf/hr at 0°F and 46,868 scf/hr at 50°F; gross heat input of 51.52 MMBTU/hr at 0°F and 47.81 MMBTU/hr at 50°F. The permittee shall operate and maintain the turbine in accordance with the manufacturer's specifications and written recommendations. (Permit 043-0005)

Table III.B: EMISSION UNIT 7 (EMU 7)				
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
3	Natural Gas Fuel	411 MMSCF/YR	Permit 043-0005	<p><u>Monitoring and Testing Requirements</u> The permittee shall monitor monthly and annual natural gas fuel consumption. Annual fuel consumption shall be based on any consecutive twelve (12) month time period and shall be determined by adding the current month's fuel usage to that of the previous eleven (11) months. (Permit 043-0005)</p> <p><u>Record Keeping Requirements</u> The permittee shall keep records of monthly and annual fuel consumption. Annual fuel consumption shall be based on any consecutive twelve (12) month time period and shall be determined by adding the current month's fuel usage to that of the previous eleven (11) months. The permittee shall make these calculations within thirty (30) days of the end of the previous month. (Permit 043-0005)</p> <p><u>Reporting Requirements</u> The permittee shall comply with the reporting requirements of permit Section VII.</p>
4	PM-10	1.4 TPY 0.1 LBS/MMBTU for natural gas usage	Permit 043-0005 RCSA § 22a-174-18(e)(1)	<p><u>Monitoring and Testing Requirements</u> The permittee shall monitor monthly and annual PM-10 emissions. The PM-10 emissions shall be determined by using the AP-42 Table 3.1-1, dated 4/00, emission factor of 6.73 LBS/MMSCF, or the permittee may use an alternate emission factor that is submitted in writing and accepted by the commissioner. (Permit 043-0005)</p> <p>The emission factor for a stationary gas turbine is 0.0066 LBS/MMBTU, which complies with the RCSA § 22a-174-18 limit. (AP-42 table 3.1-2a, dated 4/00)</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.B: EMISSION UNIT 7 (EMU 7)					
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements	
				<p><u>Record Keeping Requirements</u> The permittee shall keep records of monthly and annual PM-10 emissions. (Permit 043-0005)</p> <p><u>Reporting Requirements</u> The permittee shall comply with the reporting requirements of permit Section VII.</p>	
5	SO _x	<p>0.8 TPY</p> <p>Fuel must contain no more than 0.8% sulfur by weight</p>	<p>Permit 043-0005</p> <p>40 CFR 60 Subpart GG, Section 60.333 (b)</p>	<p><u>Monitoring and Testing Requirements</u> The permittee shall monitor monthly and annual SO_x emissions. The SO_x emissions shall be determined by using the AP-42 Table 3.1-1, dated 4/00, emission factor of 3.47 LBS/MMSCF, or the permittee may use an alternate emission factor that is submitted in writing and accepted by the commissioner. (Permit 043-0005)</p> <p>The typical fuel sulfur content of pipeline natural gas is < 0.0036% by weight which complies with the 0.8% limit. (Permit 043-0005)</p> <p>The permittee shall demonstrate, for the purpose of showing compliance with the fuel sulfur content limitation, that the natural gas meets the natural gas definition in NSPS Subpart GG, §60.331(u). The permittee shall make the required demonstration by means of documentation of the gas quality characteristics in a current, valid tariff sheet for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less. (NSPS Subpart GG, 40 CFR 60.334(h)(3)(i))</p> <p><u>Record Keeping Requirements</u> The permittee shall keep records of monthly and annual SO_x emissions. (Permit 043-0005)</p>	

Section III: Applicable Requirements and Compliance Demonstration

Table III.B: EMISSION UNIT 7 (EMU 7)				
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
				<u>Reporting Requirements</u> The permittee shall comply with the reporting requirements of permit Section VII.
6	NO _x (also see the text following this Table III.B, for requirements related to EMU 7 generation of NO _x CERCs and DERCs)	31.7 TPY 160 ppmvd at 15% O ₂ 0.9 LBS/MMBTU 0.17 LBS/MMBTU	Permit 043-0005 40 CFR 60 Subpart GG, Section 60.332 Permit 043-0005 and RCSA § 22a-174-22(e)(1), Table 22-1 Trading Agreement and Order No. 8123A	<u>Monitoring and Testing Requirements</u> The permittee shall monitor monthly and annual NO _x emissions. The NO _x emissions shall be determined by using the manufacturer's data emission factor of 154.0 LBS/MMSCF, or the permittee may use an alternate emission factor that is submitted in writing and accepted by the commissioner. (Permit 043-0005) Results of performance testing conducted in 1995 demonstrated compliance with the 160 ppmvd limitation. The permittee shall conduct NO _x emission testing at least once every five years. The next test shall be conducted by March 14, 2005. (RCSA § 22a-174-22(k)(1)) The permittee shall determine compliance with the emission limitation of 0.9 LBS/MMBTU based on the average of three (3) one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA § 22a-174-5. Any analysis of nitrogen content conducted as part of such emission testing shall be made in accordance with Method D-3228 of the ASTM. (RCSA § 22a-174-22(k)(1)) The permittee shall demonstrate compliance with the emission limitation using sampling and analytical procedures approved under 40 CFR Part 60, Appendix A, or under procedures in RCSA subsection 22a-174-5(d). Sampling shall be conducted when the source is at normal operating temperature and, unless otherwise allowed by the commissioner in a permit or order, is operating at or above ninety percent (90%) of maximum rated capacity. (RCSA § 22a-174-22(k)(2)) The permittee is not required to monitor the nitrogen content of the fuel since the permittee uses an F-value equal to zero to calculate STD in §60.332 of NSPS Subpart GG. (NSPS Subpart GG, 40 CFR 60.334(h)(2))

Section III: Applicable Requirements and Compliance Demonstration

Table III.B: EMISSION UNIT 7 (EMU 7)					
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements	
				<p><u>Record Keeping Requirements</u> The permittee shall keep records of monthly and annual NOx emissions. (Permit 043-0005)</p> <p>The permittee shall keep records of all tune-ups, repairs, replacement of parts and other maintenance; procedures for calculating NOx emission rates; dates, times, and places of all emission testing required by RCSA § 22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the test results. (RCSA § 22a-174-22(1))</p> <p>The permittee shall keep records of copies of all documents submitted to the Commissioner pursuant to RCSA § 22a-174-22. (RCSA § 22a-174-22(1)(E))</p> <p>The permittee shall keep records of any other records or reports required by an order or permit issued by the Commissioner pursuant to RCSA § 22a-174-22. (RCSA § 22a-174-22(1)(J))</p> <p><u>Reporting Requirements</u> Within thirty (30) days of the completion of NOx emission tests, the permittee shall submit a written report of the results of such tests to the commissioner. (RCSA § 22a-174-22(1)(2))</p> <p>On or before April 15 of each year, the permittee shall submit a report on NOx emissions from the turbine, on a form provided by the commissioner. (RCSA § 22a-174-22(1)(6))</p>	
7	VOC	1.5 TPY	Permit 043-0005	<p><u>Monitoring and Testing Requirements</u> The permittee shall monitor monthly and annual VOC emissions. The VOC emissions shall be determined by using the AP-42 Table 3.1-1, dated 4/00, adjusted with manufacturer's data, emission factor of 7.0 LBS/MMSCF, or the permittee may use an alternate emission factor that is submitted in writing and accepted by the commissioner. (Permit 043-0005)</p>	

Section III: Applicable Requirements and Compliance Demonstration

Table III.B: EMISSION UNIT 7 (EMU 7)				
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
				<p><u>Record Keeping Requirements</u> The permittee shall keep records of monthly and annual VOC emissions. (Permit 043-0005)</p> <p><u>Reporting Requirements</u> The permittee shall comply with the reporting requirements of permit Section VII.</p>
8	CO	22.9 TPY	Permit 043-0005	<p><u>Monitoring and Testing Requirements</u> The permittee shall monitor monthly and annual CO emissions. The CO emissions shall be determined by using the manufacturer's data emission factor of 111.6 LBS/MMSCF, or the permittee may use an alternate emission factor that is submitted in writing and accepted by the commissioner. (Permit 043-0005)</p> <p><u>Record Keeping Requirements</u> The permittee shall keep records of monthly and annual CO emissions. (Permit 043-0005)</p> <p><u>Reporting Requirements</u> The permittee shall comply with the reporting requirements of permit Section VII.</p>

Requirements for Generation of EMU 7 NO_x CERCs and DERCs (citation: Trading Agreement and Order No. 8123A)

1. The permittee intends to generate DERCs and CERCs until May 1, 2007. CERCs will be created from the difference between the baseline emission rate of 0.41 lbs/MMBTU and 0.17 lbs/MMBTU, resulting in a stream of CERCs of 0.24 lbs/MMBTUs. When properly documented by the permittee, and approved by the commissioner, the emission reductions, as computed in accordance with the terms of Trading Agreement and Order No. 8123A, will conform to the requirements of RCSA § 22a-174-3a(l)(5)(A) through (F). (Trading Agreement and Order No. 8123A paragraphs A.6 through A.8)

Section III: Applicable Requirements and Compliance Demonstration

Requirements for Generation of EMU 7 NOx CERCs and DERCs (citation: Trading Agreement and Order No. 8123A) (continued)

2. The DERCs previously approved by the commissioner that are shown in Table 2 of Trading Agreement and Order No. 8123A are subject to the vintage restrictions in Trading Agreement and Order No. 8123A. Dates that after which the unused DERCs will no longer be eligible for use as a result of the vintage restrictions are provided in Table 2 in the expiration date column. In addition, the permittee generated 15 tons of ozone season NOx DERCs and 101 tons of non-ozone season NOx DERCs from EMU 7 between January 1, 1997 and December 31, 2002. (Trading Agreement and Order No. 8123A paragraphs A.9 and A.10)
3. The permittee and approved sources within Connecticut may use NOx DERCs of item 2 above for purposes of compliance under RCSA § 22a-174-22(j) to achieve a portion of the nitrogen oxide emission reductions required by RCSA § 22a-174-22. Serial numbers of approved reductions of NOx emissions are identified in Table 3 of Trading Agreement and Order No. 8123A. (Trading Agreement and Order No. 8123A paragraph B.1)
4. Upon sufficient documentation as prescribed in Trading Agreement and Order No. 8123A, the permittee may generate additional DERCs. Approved DERCs generated by permittee may be held by permittee or transferred to other persons in accordance with Trading Agreement and Order No. 8123A. (Trading Agreement and Order No. 8123A paragraph B.2)
5. The permittee may hold or transfer to other persons approved DERCs as allowed under Trading Agreement and Order No. 8123A until April 30, 2007. The permittee may hold or transfer to other persons approved DERCs generated from a continuous rate of 0.24 lbs/MMBTU as allowed under Trading Agreement and Order No. 8123A until April 30, 2007. (Trading Agreement and Order No. 8123A paragraphs C.1 and C.2)
6. The permittee shall use the methods given in Trading Agreement and Order No. 8123A paragraph C.3 to calculate the emission reduction credits generated by EMU 7. (Trading Agreement and Order No. 8123A paragraph C.3)
7. The permittee must meet the emission limit of 0.17 lbs/MMBTU in order to maintain the creation of CERCs and DERCs. However, if the permittee exceeds this limit, the permittee shall conduct NOx testing of EMU 7 on or before sixty (60) days after exceedance of the emission limit in accordance with the requirements specified in Trading Agreement and Order No. 8123A paragraphs C.5.i through C.5.viii. (Trading Agreement and Order No. 8123A paragraph C.4)
8. If the permittee has reason to believe EMU 7 may be exceeding 0.17 lbs/MMBTU, the permittee shall conduct NOx emissions testing of EMU 7 on or before sixty (60) days after exceedance of the 0.17 lbs/MMBTU limit in accordance with Trading Agreement and Order No. 8123A paragraphs C.5.i through C.5.viii. (Trading Agreement and Order No. 8123A paragraph C.5)
9. The permittee shall make and keep records for EMU 7 of: fuel use, NOx mass emissions, the amount of all CERCs and DERCs generated each month, and running totals of each of the foregoing for the current calendar year. (Trading Agreement and Order No. 8123A paragraph C.6)
10. The permittee shall retain records and supporting documentation as described in Trading Agreement and Order No. 8123A for a minimum of five years, commencing on the date such records were created. The permittee shall provide the records specified above to the commissioner within thirty (30) days of receipt of a written request from the commissioner. (Trading Agreement and Order No. 8123A paragraph C.7)
11. No later than March 1 of every year, the permittee shall include with the Annual Emission Statement provided to the commissioner, a record of each sale or transfer, and use of any and all of the CERCs and DERCs approved within and subsequent to issuance of Trading Agreement and Order No. 8123A until all such CERCs and DERCs have been used or are no longer in the permittee's possession. The permittee shall also include actual NOx emissions from EMU 7 and the amount of all CERCs and DERCs, approved and/or for the previous calendar year. These reports shall be on a form prescribed by the commissioner and shall be monthly increments. Should the permittee choose to discontinue the generation of CERCs and DERCs, the permittee will notify the commissioner upon discontinuance. (Trading Agreement and Order No. 8123A paragraph C.8)

Section III: Applicable Requirements and Compliance Demonstration

Requirements for Generation of EMU 7 NO_x CERCs and DERCs (citation: Trading Agreement and Order No. 8123A) (continued)

12. The permittee shall use best efforts to submit to the commissioner all documents required by Trading Agreement and Order No. 8123A in a complete and approvable form. If the commissioner notifies the permittee that any document or other action is deficient, and does not approve it with conditions or modifications, it is deemed disapproved, and the permittee shall correct the deficiencies and resubmit it within the time specified by the commissioner or, if no time is specified by the commissioner, within 30 days of the commissioner's notice of deficiencies. Nothing in this paragraph shall excuse noncompliance or delay. (Trading Agreement and Order No. 8123A paragraph C.12)
13. Any document, including but not to any notice, which is required to be submitted to the commissioner under Trading Agreement and Order No. 8123A shall be signed by an individual who is an authorized representative of the permittee, in accordance with RCSA § 22a-174-2a(a), and by the individual(s) responsible for actually preparing such document. Each individual shall certify in writing the statements given under Trading Agreement and Order No. 8123A paragraph C.15. (Trading Agreement and Order No. 8123A paragraph C.15)
14. Until the permittee has fully complied with Trading Agreement and Order No. 8123A, the permittee shall notify the commissioner in writing no later than 15 days after transferring all or any portion of the facility, the operations, the site or the business which is the subject of Trading Agreement and Order No. 8123A or after obtaining a new mailing address or location address. The permittee's obligation under Trading Agreement and Order No. 8123A shall not be affected by the passage of title to any property or to any other person or municipality. (Trading Agreement and Order No. 8123A paragraph C.18)
15. Within 15 days of the date the permittee becomes aware of a change in any information submitted to the commissioner under Trading Agreement and Order No. 8123A, or any other such information was inaccurate or misleading or that any relevant information was omitted, the permittee shall submit the correct or omitted information to the commissioner. (Trading Agreement and Order No. 8123A paragraph C.25)
16. In the event that the permittee becomes aware that it did not or may not comply, or did not or may not comply on time, with any requirement of Trading Agreement and Order No. 8123A or of any document required thereunder, the permittee shall immediately notify by telephone the individual identified in Trading Agreement and Order No. 8123A paragraph C.27 and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. Within five (5) days of the initial notice, the permittee shall submit in writing the date, time, and duration of the noncompliance and the reasons for the noncompliance or delay and propose, for the review and written approval of the commissioner, dates by which compliance will be achieved, and the permittee shall comply with any dates which may be approved in writing by the commissioner. Notification by the permittee shall not excuse noncompliance or delay, and the commissioner's approval of any compliance dates proposed shall not excuse noncompliance or delay unless specifically so stated by the commissioner in writing. (Trading Agreement and Order No. 8123A paragraph C.26)
17. Any document required to be submitted to the commissioner under Trading Agreement and Order No. 8123A shall unless otherwise specified in Order No. 8123A or in writing by the commissioner, shall be directed to the individual identified under Trading Agreement and Order No. 8123A paragraph C.27. (Trading Agreement and Order No. 8123A paragraph C.27)

Section III: Applicable Requirements and Compliance Demonstration

C. EMISSIONS UNIT 8 (Solar Gas Turbine)

Table III.C: EMISSION UNIT 8 (EMU 8)					
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements	
9	Natural Gas Fuel	411 MMSCF/YR	Permit 043-0006	<p><u>Monitoring and Testing Requirements</u> The permittee shall monitor monthly and annual natural gas fuel consumption. Annual fuel consumption shall be based on any consecutive twelve (12) month time period and shall be determined by adding the current month's fuel usage to that of the previous eleven (11) months. (Permit 043-0006)</p> <p><u>Record Keeping Requirements</u> The permittee shall keep records of monthly and annual fuel consumption. Annual fuel consumption shall be based on any consecutive twelve (12) month time period and shall be determined by adding the current month's fuel usage to that of the previous eleven (11) months. The permittee shall make these calculations within thirty (30) days of the end of the previous month. (Permit 043-0006)</p> <p><u>Reporting Requirements</u> The permittee shall comply with the reporting requirements of permit Section VII.</p>	
10	PM-10	1.4 TPY 0.1 LBS/MMBTU for natural gas usage	Permit 043-0006 RCSA § 22a-174-18(e)(1)	<p><u>Monitoring and Testing Requirements</u> The permittee shall monitor monthly and annual PM-10 emissions. The PM-10 emissions shall be determined by using the AP-42 Table 3.1-1, dated 4/00, emission factor of 6.73 LBS/MMSCF, or the permittee may use an alternate emission factor that is submitted in writing and accepted by the commissioner. (Permit 043-0006)</p> <p>The emission factor for a stationary gas turbine is 0.0066 LBS/MMBTU, which complies with the RCSA § 22a-174-18 limit. (AP-42 table 3.1-2a, dated 4/00)</p> <p><u>Record Keeping Requirements</u> The permittee shall keep records of monthly and annual PM-10 emissions. (Permit 043-0006)</p>	

Section III: Applicable Requirements and Compliance Demonstration

Table III.C: EMISSION UNIT 8 (EMU 8)				
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
				<p><u>Reporting Requirements</u></p> <p>The permittee shall comply with the reporting requirements of permit Section VII.</p>
11	SO _x	<p>0.8 TPY</p> <p>Fuel must contain no more than 0.8% sulfur by weight</p>	<p>Permit 043-0006</p> <p>40 CFR 60 Subpart GG, Section 60.333 (b)</p>	<p><u>Monitoring and Testing Requirements</u></p> <p>The permittee shall monitor monthly and annual SO_x emissions. The SO_x emissions shall be determined by using the AP-42 Table 3.1-1, dated 4/00, emission factor of 3.47 LBS/MMSCF, or the permittee may use an alternate emission factor that is submitted in writing and accepted by the commissioner. (Permit 043-0006)</p> <p>The typical fuel sulfur content of pipeline natural gas is < 0.0036% by weight which complies with the 0.8% limit. (Permit 043-0006)</p> <p>The permittee shall demonstrate, for the purpose of showing compliance with the fuel sulfur content limitation, that the natural gas meets the natural gas definition in NSPS Subpart GG, §60.331(u). The permittee shall make the required demonstration by means of documentation of the gas quality characteristics in a current, valid tariff sheet for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less. (NSPS Subpart GG, 40 CFR 60.334(h)(3)(i))</p> <p><u>Record Keeping Requirements</u></p> <p>The permittee shall keep records of monthly and annual SO_x emissions. (Permit 043-0006)</p> <p><u>Reporting Requirements</u></p> <p>The permittee shall comply with the reporting requirements of permit Section VII.</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.C: EMISSION UNIT 8 (EMU 8)				
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
12	NO _x	<p>31.7 TPY</p> <p>160 ppmvd at 15% O₂</p> <p>0.9 LB/MMBTU</p>	<p>Permit 043-0006</p> <p>40 CFR 60 Subpart GG, Section 60.332</p> <p>Permit 043-0006 and RCSA 22a-174-22, Table 22-1</p>	<p><u>Monitoring and Testing Requirements</u></p> <p>The permittee shall monitor monthly and annual NO_x emissions. The NO_x emissions shall be determined by using the manufacturer's data emission factor of 154.0 LBS/MMSCF, or the permittee may use an alternate emission factor that is submitted in writing and accepted by the commissioner. (Permit 043-0006)</p> <p>Results of performance testing conducted in 1995 demonstrated compliance with the 160 ppmvd limitation.</p> <p>The permittee shall conduct NO_x emission testing at least once every five years. The next test shall be conducted by March 14, 2005. (RCSA § 22a-174-22(k)(1))</p> <p>The permittee shall determine compliance with the emission limitation of 0.9 LBS/MMBTU based on the average of three (3) one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA § 22a-174-5. Any analysis of nitrogen content conducted as part of such emission testing shall be made in accordance with Method D-3228 of the ASTM. (RCSA § 22a-174-22(k)(1))</p> <p>The permittee shall demonstrate compliance with the emission limitation using sampling and analytical procedures approved under 40 CFR Part 60, Appendix A, or under procedures in RCSA subsection 22a-174-5(d). Sampling shall be conducted when the source is at normal operating temperature and, unless otherwise allowed by the commissioner in a permit or order, is operating at or above ninety percent (90%) of maximum rated capacity. (RCSA § 22a-174-22(k)(2))</p> <p>The permittee is not required to monitor the nitrogen content of the fuel since the permittee uses an F-value equal to zero to calculate STD in §60.332 of NSPS Subpart GG. (NSPS Subpart GG, 40 CFR 60.334(h)(2))</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.C: EMISSION UNIT 8 (EMU 8)				
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
				<p><u>Record Keeping Requirements</u> The permittee shall keep records of monthly and annual NOx emissions. (Permit 043-0006)</p> <p>The permittee shall keep records of all tune-ups, repairs, replacement of parts and other maintenance; procedures for calculating NOx emission rates; dates, times, and places of all emission testing required by RCSA § 22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the test results. (RCSA § 22a-174-22(I))</p> <p>The permittee shall keep records of copies of all documents submitted to the Commissioner pursuant to RCSA § 22a-174-22. (RCSA § 22a-174-22(I)(1)(E))</p> <p>The permittee shall keep records of any other records or reports required by an order or permit issued by the Commissioner pursuant to RCSA § 22a-174-22. (RCSA § 22a-174-22(I)(1)(J))</p> <p><u>Reporting Requirements</u> Within thirty (30) days of the completion of NOx emission tests, the permittee shall submit a written report of the results of such tests to the commissioner. (RCSA § 22a-174-22(I)(2))</p> <p>On or before April 15 of each year, the permittee shall submit a report on NOx emissions from the turbine, on a form provided by the commissioner. (RCSA § 22a-174-22(I)(6))</p>
13	VOC	1.5 TPY	Permit 043-0006	<p><u>Monitoring and Testing Requirements</u> The permittee shall monitor monthly and annual VOC emissions. The VOC emissions shall be determined by using the AP-42 Table 3.1-1, dated 4/00, adjusted with manufacturer's data, emission factor of 7.0 LBS/MMSCF, or the permittee may use an alternate emission factor that is submitted in writing and accepted by the commissioner. (Permit 043-0006)</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.C: EMISSION UNIT 8 (EMU 8)					
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements	
				<u>Record Keeping Requirements</u> The permittee shall keep records of monthly and annual VOC emissions. (Permit 043-0006) <u>Reporting Requirements</u> The permittee shall comply with the reporting requirements of permit Section VII.	
14	CO	22.9 TPY	Permit 043-0006	<u>Monitoring and Testing Requirements</u> The permittee shall monitor monthly and annual CO emissions. The CO emissions shall be determined by using the manufacturer's data emission factor of 111.6 LBS/MMSCF, or the permittee may use an alternate emission factor that is submitted in writing and accepted by the commissioner. (Permit 043-0006) <u>Record Keeping Requirements</u> The permittee shall keep records of monthly and annual CO emissions. (Permit 043-0006) <u>Reporting Requirements</u> The permittee shall comply with the reporting requirements of permit Section VII.	

Section III: Applicable Requirements and Compliance Demonstration

D. EMISSIONS UNITS 9 and 10 (2 Identical Leroi Emergency Generators)

Table III.D: EMISSION UNITS 9 and 10 (EMUS 9 and 10)				
Item No.	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
15	NOx	Engine operation for non-emergency tasks*	RCSA § 22a-174-22(b)(5)	<p><u>Monitoring and Testing Requirements</u> The permittee shall monitor engine daily operating hours, identifying the operating hours of emergency and non-emergency use. (RCSA § 22a-174-22(l)(1)(A))</p> <p><u>Record Keeping Requirements</u> The permittee shall make and keep records of engine daily operating hours, identifying the operating hours of emergency and non-emergency use. (RCSA § 22a-174-22(l)(1)(A))</p> <p>The permittee shall make and keep records of all tune-ups, repairs, replacement of parts and other maintenance. (RCSA § 22a-174-22(l)(1)(D))</p> <p>The permittee shall keep records of copies of all documents submitted to the Commissioner pursuant to RCSA § 22a-174-22. (RCSA § 22a-174-22(l)(1)(E))</p> <p>The permittee shall keep records of any other records or reports required by an order or permit issued by the Commissioner pursuant to RCSA § 22a-174-22. (RCSA § 22a-174-22(l)(1)(J))</p> <p><u>Reporting Requirements</u> The permittee shall comply with the reporting requirements of permit Section VII.</p>

*RCSA § 22a-174-22(d) through (k) shall apply to the permittee if the engine operates for routine, scheduled testing or maintenance on any day for which the Commissioner has forecast that ozone levels will be “moderate to unhealthful,” “unhealthful,” or “very unhealthful.”

Section III: Applicable Requirements and Compliance Demonstration

E. PREMISES-WIDE GENERAL REQUIREMENTS

Table III.E: PREMISES-WIDE GENERAL REQUIREMENTS			
Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements	
Annual Emission Statements	RCSA § 22a-174-4	The permittee shall submit annual emission inventory statements requested by the Commissioner as specified in RCSA § 22a-174-4(d)(1).	
Emergency Episode Procedures	RCSA § 22a-174-6	The permittee shall comply with the procedures for emergency episodes as specified in RCSA § 22a-174-6.	
Public Availability of Information	RCSA § 22a-174-10	The public availability of information shall apply, as specified in RCSA § 22a-174-10.	
Prohibition against Concealment/ circumvention	RCSA § 22a-174-11	The permittee shall comply with the prohibition against concealment or circumvention as specified in RCSA § 22a-174-11.	
Opacity	RCSA § 22a-174-18	The permittee shall comply with the opacity requirements of RCSA § 22a-174-18(b), except for those activities identified under RCSA § 22a-174-18(j).	
Particulate Matter	RCSA § 22a-174-18	The permittee shall comply with the particulate emission limits of RCSA § 22a-174-18(e). Fuel burning equipment shall emit no more than 0.1 pounds of particulate matter per million BTU of heat input, except for those activities identified under RCSA § 22a-174-18(j).	
Sulfur Compound Emissions	RCSA § 22a-174-19	The permittee shall comply with the combustion fuel sulfur limits of RCSA § 22a-174-19(a)(2). Fuel sulfur content shall not exceed one percent (1.0) by weight (dry basis).	
Emission Fees	RCSA § 22a-174-26	The permittee shall pay an emission fee in accordance with RCSA § 22a-174-26(d).	

Section IV: Compliance Schedule

NOTE: THERE ARE NO COMPLIANCE ACTION ITEMS IN THIS PERMIT

[illegible]

Section V: State Enforceable Terms and Conditions

Only the Commissioner of the Department of Environmental Protection has the authority to enforce the terms, conditions and limitations contained in this section.

- A. This permit does not relieve the permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Environmental Protection or any federal, local or other state agency. Nothing in this permit shall relieve the permittee of other obligations under applicable federal, state and local law.
- B. Nothing in this permit shall affect the Commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the permittee by the Commissioner.
- C. Odors: The permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor beyond the property boundary of the premises as set forth in RCSA Section 22a-174-23.
- D. Noise: The permittee shall operate in compliance with the regulations for the control of noise as set forth in RCSA Section 22a-69-1 through 22a-69-7.4, inclusive.
- E. Hazardous Air Pollutants (HAPs): The permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA Section 22a-174-29.
- F. Open Burning: The permittee is prohibited from conducting open burning, except as may be allowed by CGS Section 22a-174(f).
- G. Fuel Sulfur Content: The permittee shall not use #2 heating oil that exceeds three-tenths of one percent sulfur by weight as set forth in CGS Section 16a-21a.
- H. Climate Change: In accordance with Public Act No. 04-252 Sec. 3 paragraph (b), not later than April 15, 2006, and annually thereafter, the owner or operator of any facility that is required to report air emissions data to the Department of Environmental Protection pursuant to Title V of the federal Clean Air Act and that has stationary emissions sources that emit greenhouse gases shall report to the regional registry direct stack emissions of greenhouse gases from such sources. The owner or operator shall report all greenhouse gas emissions in a type and format that the regional registry can accommodate.
- I. The permittee shall adhere to the stack dimensions stated below.

EMU Number	EMU Description	Stack Number	Minimum Stack Height (ft)	Minimum Distance of Stack to Property Line (ft)	Permit Number
EMU7	Solar Centaur Gas Turbine Engine	07	59	480	043-0005
EMU8	Solar Centaur Gas Turbine Engine	08	59	480	043-0006

Section VI: Permit Shield

NOTE: NO PERMIT SHIELD APPLICABLE REQUIREMENTS ARE INCLUDED IN THIS PERMIT

TABLE VI: PERMIT SHIELD				
Regulated Pollutants	Emissions Units	Applicable Requirement or Non-Applicable Requirement Descriptions	Applicable Regulatory References	*Applicability

*For Applicability, use AR to indicate Applicable Requirement and NR for Non- Applicable Requirement

Section VII: Title V Requirements

The Administrator of the United States Environmental Protection Agency and the Commissioner of Environmental Protection have the authority to enforce the terms and conditions contained in these sections.

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

The date of submission to the Commissioner of any document required by this permit shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this permit, including, but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is delivered or the date three days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.

Any document required to be submitted to the Commissioner under this permit shall, unless otherwise specified in writing by the Commissioner, be directed to: Office of the Assistant Director; Compliance & Field Operations Division; Bureau of Air Management; Department of Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

Any submittal to the Administrator of the U. S. Environmental Protection Agency shall be in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; US EPA, Region 1; One Congress Street; Suite 1100 (SEA); Boston, MA 02114-2023.

B. CERTIFICATIONS [RCSA § 22a-174-33(b)]

In accordance with Section 22a-174-33(b) of the RCSA, any report or other document required by this Title V permit and any other information submitted to the Commissioner or Administrator shall be signed by an individual described in Section 22a-174-2a(a) of the RCSA, or by a duly authorized representative of such individual. Any individual signing any document pursuant to Section 22a-174-33(b) of the RCSA shall examine and be familiar with the information submitted in the document and all attachments thereto, and shall make inquiry of those individuals responsible for obtaining the information to determine that the information is true, accurate, and complete, and shall also sign the following certification as provided in Section 22a-174-2a(a)(5) of the RCSA:

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under Section 22a-175 of the Connecticut General Statutes, under Section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute.”

C. SIGNATORY RESPONSIBILITY [RCSA § 22a-174-2a(a)]

If an authorization pursuant to Section 22a-174-2a(a) of the RCSA is no longer effective because a different individual or position has assumed the applicable responsibility, a new authorization satisfying the requirements of Section 22a-174-2a(a)(2) of the RCSA shall be submitted to the Commissioner prior to or together with the submission of any applications, reports, forms, compliance certifications, documents or other information which is signed by an individual or a duly authorized representative of such individual pursuant to Section 22a-174-2a(a)(2) of the RCSA.

Section VII: Title V Requirements

D. ADDITIONAL INFORMATION [RCSA § 22a-174-33(j)(1)(X)]

The permittee shall submit additional information in writing, at the Commissioner's request, within thirty (30) days of receipt of notice from the Commissioner or by such other date specified by the Commissioner, whichever is earlier, including information to determine whether cause exists for modifying, revoking, reopening, reissuing, or suspending the permit or to determine compliance with the permit.

In addition, within fifteen days of the date the permittee becomes aware of a change in any information submitted to the Commissioner under this permit or of any change in any information contained in the application, or that any such information was inaccurate or misleading or that any relevant information was omitted, the permittee shall submit the changed, corrected, or omitted information to the Commissioner.

E. MONITORING REPORTS [RCSA § 22a-174-33(o)(1)]

A permittee, required to perform monitoring pursuant this permit, shall submit to the Commissioner, on forms prescribed by the Commissioner, written monitoring reports on January 30 and July 30 of each year or on a more frequent schedule if specified in such permit. Such monitoring reports shall include the date and description of each deviation from a permit requirement including, but not limited to:

1. Each deviation caused by upset or control equipment deficiencies; and
2. Each deviation of a permit requirement that has been monitored by the monitoring systems required under this permit, which has occurred since the date of the last monitoring report; and
3. Each deviation caused by a failure of the monitoring system to provide reliable data.

F. PREMISES RECORDS [RCSA § 22a-174-33(o)(2)]

Unless otherwise required by this permit, the permittee shall make and keep records of all required monitoring data and supporting information for at least five (5) years from the date such data and information were obtained. The permittee shall make such records available for inspection at the site of the subject source, and shall submit such records to the Commissioner upon request. The following information, in addition to required monitoring data, shall be recorded for each permitted source:

1. The type of monitoring or records used to obtain such data, including record keeping;
2. The date, place, and time of sampling or measurement;
3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;
4. The date(s) on which analyses of such samples or measurements were performed;
5. The name and address of the entity that performed the analyses;
6. The analytical techniques or methods used for such analyses;
7. The results of such analyses;

Section VII: Title V Requirements

8. The operating conditions at the subject source at the time of such sampling or measurement; and
9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

G. PROGRESS REPORTS [RCSA § 22a-174-33(q)(1)]

The permittee shall, on January 30 and July 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner a progress report on forms prescribed by the Commissioner, and certified in accordance with Section 22a-174-2a(a)(5) of the RCSA. Such report shall describe the permittee's progress in achieving compliance under the compliance plan schedule contained in this permit. Such progress report shall:

1. Identify those obligations under the compliance plan schedule in the permit which the permittee has met, and the dates on which they were met; and
2. Identify those obligations under the compliance plan schedule in this permit which the permittee has not timely met, explain why they were not timely met, describe all measures taken or to be taken to meet them and identify the date by which the permittee expects to meet them.

Any progress report prepared and submitted pursuant to Section 22a-174-33(q)(1) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

H. COMPLIANCE CERTIFICATIONS [RCSA § 22a-174-33(q)(2)]

The permittee shall, on January 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner, a written compliance certification certified in accordance with Section 22a-174-2a(a)(5) of the RCSA and which includes the information identified in Title 40 CFR 70.6(c)(5)(iii)(A) to (C), inclusive.

Any compliance certification prepared and submitted pursuant to Section 22a-174-33(q)(2) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

I. PERMIT DEVIATION NOTIFICATIONS [RCSA § 22a-174-33(p)]

Notwithstanding Subsection D of Section VII of this permit, the permittee shall notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows:

1. For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and
2. For any other regulated air pollutant, no later than ten (10) days after such deviation commenced.

J. PERMIT RENEWAL [RCSA § 22a-174-33(j)(1)(B)]

All of the terms and conditions of this permit shall remain in effect until the renewal permit is issued or denied provided that a timely renewal application is filed in accordance with Sections 22a-174-33(g), -33(h), and -33(i) of the RCSA.

Section VII: Title V Requirements

K. OPERATE IN COMPLIANCE [RCSA § 22a-174-33(j)(1)(C)]

The permittee shall operate the source in compliance with the terms of all applicable regulations, the terms of this permit, and any other applicable provisions of law. In addition, any noncompliance constitutes a violation of the Clean Air Act and Chapter 446c of the Connecticut General Statutes and is grounds for federal and/or state enforcement action, permit termination, revocation and reissuance, or modification, and denial of a permit renewal application.

L. COMPLIANCE WITH PERMIT [RCSA § 22a-174-33(j)(1)(G)]

This permit shall not be deemed to:

1. preclude the creation or use of emission reduction credits or the trading of such credits in accordance with Sections 22a-174-33(j)(1)(I) and 22a-174-33(j)(1)(P) of the RCSA, provided that the Commissioner's prior written approval of the creation, use, or trading is obtained;
2. authorize emissions of an air pollutant so as to exceed levels prohibited under 40 CFR Part 72;
3. authorize the use of allowances pursuant to 40 CFR Parts 72 through 78, inclusive, as a defense to noncompliance with any other applicable requirement; or
4. impose limits on emissions from items or activities specified in Sections 22a-174-33(g)(3)(A) and (B) of the RCSA unless imposition of such limits is required by an applicable requirement.

M. INSPECTION TO DETERMINE COMPLIANCE [RCSA § 22a-174-33(j)(1)(M)]

The Commissioner may, for the purpose of determining compliance with the permit and other applicable requirements, enter the premises at reasonable times to inspect any facilities, equipment, practices, or operations regulated or required under the permit; to sample or otherwise monitor substances or parameters; and to review and copy relevant records lawfully required to be maintained at such premises in accordance with this permit. It shall be grounds for permit revocation should entry, inspection, sampling, or monitoring be denied or effectively denied, or if access to and the copying of relevant records is denied or effectively denied.

N. PERMIT AVAILABILITY

The permittee shall have available at the facility at all times a copy of this Title V Operating Permit.

O. SEVERABILITY CLAUSE [RCSA § 22a-174-33(j)(1)(R)]

The provisions of this permit are severable. If any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the remainder of this permit and the application of such provision to other circumstances shall not be affected.

P. NEED TO HALT OR REDUCE ACTIVITY [RCSA § 22a-174-33(j)(1)(T)]

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

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Q. PERMIT REQUIREMENTS [RCSA § 22a-174-33(j)(1)(V)]

The filing of an application or of a notification of planned changes or anticipated noncompliance does not stay the permittee's obligation to comply with this permit.

R. PROPERTY RIGHTS [RCSA § 22a-174-33(j)(1)(W)]

This permit does not convey any property rights or any exclusive privileges. This permit is subject to, and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby, including Section 4-181a(b) of the Connecticut General Statutes and Section 22a-3a-5(b) of the RCSA. This permit shall neither create nor affect any rights of persons who are not parties to this permit.

S. ALTERNATIVE OPERATING SCENARIO RECORDS [RCSA § 22a-174-33(o)(3)]

The permittee shall, contemporaneously with making a change authorized by this permit from one alternative operating scenario to another, maintain a record at the premises indicating when changes are made from one operating scenario to another and shall maintain a record of the current alternative operating scenario.

T. OPERATIONAL FLEXIBILITY AND OFF-PERMIT CHANGES [RCSA § 22a-174-33(r)(2)]

The permittee may engage in any action allowed by the Administrator in accordance with 40 CFR 70.4(b)(12)(i) to (iii)(B) inclusive, and 40 CFR 70.4(b)(14)(i) to (iv), inclusive without a Title V non-minor permit modification, minor permit modification or revision and without requesting a Title V non-minor permit modification, minor permit modification or revision provided such action does not:

1. constitute a modification under 40 CFR 60, 61 or 63,
2. exceed emissions allowable under the subject permit,
3. constitute an action which would subject the permittee to any standard or other requirement pursuant to 40 CFR 72 to 78, inclusive, or
4. constitute a non-minor permit modification pursuant to Section 22a-174-2a(d)(4) of the RCSA.

At least seven (7) days before initiating an action specified in Section 22a-174-33(r)(2)(A) of the RCSA, the permittee shall notify the Administrator and the Commissioner in writing of such intended action.

U. INFORMATION FOR NOTIFICATION [RCSA § 22a-174-33(r)(2)(A)]

Written notification required under Section 22a-174-33(r)(2)(A) of the RCSA shall include a description of each change to be made, the date on which such change will occur, any change in emissions that may occur as a result of such change, any Title V permit terms and conditions that may be affected by such change, and any applicable requirement that would apply as a result of such change. The permittee shall thereafter maintain a copy of such notice with the Title V permit. The Commissioner and the permittee shall each attach a copy of such notice to their copy of the permit.

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V. TRANSFERS [RCSA § 22a-174-2a(g)]

No person other than the permittee shall act or refrain from acting under the authority of this permit unless this permit has been transferred to another person in accordance with Section 22a-174-2a(g) of the RCSA.

The proposed transferor and transferee of a permit shall submit to the Commissioner a request for a permit transfer on a form provided by the Commissioner. A request for a permit transfer shall be accompanied by any fees required by any applicable provision of the general statutes or regulations adopted thereunder. The Commissioner may also require the proposed transferee to submit with any such request, the information identified in CGS Section 22a-6m.

W. REVOCATION [RCSA § 22a-174-2a(h)]

The Commissioner may revoke this permit on his own initiative or on the request of the permittee or any other person, in accordance with Section 4-182(c) of the Connecticut General Statutes, Section 22a-3a-5(d) of the RCSA, and any other applicable law. Any such request shall be in writing and contain facts and reasons supporting the request. The permittee requesting revocation of this permit shall state the requested date of revocation and provide the Commissioner with satisfactory evidence that the emissions authorized by this permit have been permanently eliminated.

Pursuant to the Clean Air Act, the Administrator has the power to revoke this permit. Pursuant to the Clean Air Act, the Administrator also has the power to reissue this permit if the Administrator has determined that the Commissioner failed to act in a timely manner on a permit renewal application.

This permit may be modified, revoked, reopened, reissued, or suspended by the Commissioner, or the Administrator in accordance with Section 22a-174-33(r) of the RCSA, Connecticut General Statutes Section 22a-174c, or Section 22a-3a-5(d) of the RCSA.

X. REOPENING FOR CAUSE [RCSA § 22a-174-33(s)]

This permit may be reopened by the Commissioner, or the Administrator in accordance with Section 22a-174-33(s) of the RCSA.

Y. CREDIBLE EVIDENCE

Notwithstanding any other provision of this permit, for the purpose of determining compliance or establishing whether a permittee has violated or is in violation of any permit condition, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information.